Hit List

Your wildcard search against 10000 terms has yielded the results below.
Your result set for the last L# is incomplete.
The probable cause is use of unlimited truncation. Revise your search strategy to use limited truncation.

| Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs |

| Generate OACS |

Search Results - Record(s) 1 through 7 of 7 returned.

☐ 1. Document ID: US 20020065728 A1

Using default format because multiple data bases are involved.

```
L3: Entry 1 of 7                    File: PGPB              May 30, 2002


PGPUB-DOCUMENT-NUMBER: 20020065728
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020065728 A1


TITLE: ELECTRONIC SHOPPING SYSTEM UTILIZING A PROGRAM DOWNLOADABLE WIRELESS
VIDEOPHONE


PUBLICATION-DATE: May 30, 2002


INVENTOR-INFORMATION:
NAME                            CITY            STATE        COUNTRY
OGASAWARA, NOBUO                SAN DIEGO       CA           US


US-CL-CURRENT: 705/23
```

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 2. Document ID: US 20020010623 A1

```
L3: Entry 2 of 7                    File: PGPB              Jan 24, 2002


PGPUB-DOCUMENT-NUMBER: 20020010623
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020010623 A1


TITLE: SYSTEM AND METHOD FOR PUBLISHING, DISTRIBUTING AND REDEEMING COUPONS ON A
NETWORK


PUBLICATION-DATE: January 24, 2002


INVENTOR-INFORMATION:
NAME                            CITY            STATE        COUNTRY
MCCOLLOM, WILLIAM GIRARD         FORT COLLINS    CO           US
```

```
ABLES, ROBERT KING                    DRAKE              CO      US
BRAY, JACQUELINE ANN                   FORT COLLINS       CO      US
COTTEN, CAROLYN SOBERALSKE              HOTCHKISS          CO      US
FINK, MARTIN ROBERT                    FORT COLLINS       CO      US
MEYER, SHANE DOUGLAS                    WINDSOR            CO      US
STEIGERWALD, SILVI KIISK               FORT COLLINS       CO      US
```

US-CL-CURRENT: <u>705/14</u>; <u>705/26</u>, <u>709/203</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 3.   Document ID: US 6920606 B1

L3: Entry 3 of 7   File: USPT   Jul 19, 2005

US-PAT-NO: 6920606
DOCUMENT-IDENTIFIER: US 6920606 B1

TITLE: Custom computer wallpaper and marketing system and method

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 4.   Document ID: US 6512919 B2

L3: Entry 4 of 7   File: USPT   Jan 28, 2003

US-PAT-NO: 6512919
DOCUMENT-IDENTIFIER: US 6512919 B2
** See image for **Certificate of Correction** **

TITLE: Electronic shopping system utilizing a program downloadable wireless
videophone

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 5.   Document ID: US 6343274 B1

L3: Entry 5 of 7   File: USPT   Jan 29, 2002

US-PAT-NO: 6343274
DOCUMENT-IDENTIFIER: US 6343274 B1

TITLE: Apparatus and method for merchant-to-consumer advertisement communication
system

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 6.   Document ID: US 6125352 A

L3: Entry 6 of 7   File: USPT   Sep 26, 2000

US-PAT-NO: 6125352
DOCUMENT-IDENTIFIER: US 6125352 A
** See image for **Certificate of Correction** **

TITLE: System and method for conducting commerce over a distributed network

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 7. Document ID: US 5475585 A

L3: Entry 7 of 7   File: USPT   Dec 12, 1995

US-PAT-NO: 5475585
DOCUMENT-IDENTIFIER: US 5475585 A

TITLE: Transactional processing system

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

| Clear | | Generate Collection | | Print | | Fwd Refs | | Bkwd Refs | | Generate OACS |

Terms	Documents
L1 and ((item$ or product$) with (price or pricing or cost$))	7

Display Format: |- | Change Format

Previous Page   Next Page   Go to Doc#

Dialog level 05.10.03D   **09/737339**
Reconnected in file FINBUS 14feb06 10:48:36
* * *

SYSTEM:OS - DIALOG OneSearch
   File   9:Business & Industry(R) Jul/1994-2006/Feb 13
         (c) 2006 The Gale Group
   File 15:ABI/Inform(R) 1971-2006/Feb 13
         (c) 2006 ProQuest Info&Learning
   File 16:Gale Group PROMT(R) 1990-2006/Feb 13
         (c) 2006 The Gale Group
   File 18:Gale Group F&S Index(R) 1988-2006/Feb 13
         (c) 2006 The Gale Group
   File 20:Dialog Global Reporter 1997-2006/Feb 09
         (c) 2006 Dialog
   File 148:Gale Group Trade & Industry DB 1976-2006/Feb 14
         (c)2006 The Gale Group
   File 160:Gale Group PROMT(R) 1972-1989
         (c) 1999 The Gale Group
   File 267:Finance & Banking Newsletters 2006/Feb 10
         (c) 2006 Dialog
   File 473:FINANCIAL TIMES ABSTRACTS 1998-2001/APR 02
         (c) 2001 THE NEW YORK TIMES
 *File 473: This file will not update after March 31, 2001.
It will remain on Dialog as a closed file.   File 475:Wall Street Journal Abs 1973-2
         (c) 2006 The New York Times
   File 485:Accounting & Tax DB 1971-2006/Feb W1
         (c) 2006 ProQuest Info&Learning
   *File 485: SELECT IMAGE AVAILABILITY FOR PROQUEST FILES
ENTER 'HELP PROQUEST' FOR MORE
   File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
         (c) 2002 The Gale Group
 *File 583: This file is no longer updating as of 12-13-2002.
   File 621:Gale Group New Prod.Annou.(R) 1985-2006/Feb 14
         (c) 2006 The Gale Group
   File 623:Business Week 1985-2006/Feb 13
         (c) 2006 The McGraw-Hill Companies Inc
   File 624:McGraw-Hill Publications 1985-2006/Feb 13
         (c) 2006 McGraw-Hill Co. Inc
 *File 624: Homeland Security & Defense and 9 Platt energy journals added
Please see HELP NEWS624 for more
   File 625:American Banker Publications 1981-2006/Feb 14
         (c) 2006 American Banker
   File 626:Bond Buyer Full Text 1981-2006/Feb 14
         (c) 2006 Bond Buyer
   File 635:Business Dateline(R) 1985-2006/Feb 11
         (c) 2006 ProQuest Info&Learning
   File 636:Gale Group Newsletter DB(TM) 1987-2006/Feb 13
         (c) 2006 The Gale Group

        Set Items Description
        --- ----- -----------
Cost is in DialUnits

```
S PD<=001215 AND (("DOWN-LOAD" (3W) PROGRAM?) (S) CONSUMER?) AND ((TRANSFER? (2W) DA
>>>File 745 processing for PD=  : PD=001215
>>>    started at PD=19500816 stopped at PD=19920506
>>>File 810 processing for PD=  : PD=001215
>>>    started at PD=850116 stopped at PD=911124
>>>File 813 processing for PD=  : PD=001215
>>>    started at PD=100000 stopped at PD=900914
            811867   PD<=001215
                 0   DOWN-LOAD
            701285   PROGRAM?
            547774   CONSUMER?
                 0   DOWN-LOAD(3W)PROGRAM?(S)CONSUMER?
            119565   TRANSFER?
           2495521   DATA
            131556   SERVER?
                77   TRANSFER?(2W)DATA(5W)SERVER?
      S1         0   PD<=001215 AND (("DOWN-LOAD" (3W) PROGRAM?) (S)
                     CONSUMER?) AND ((TRANSFER? (2W) DATA) (5W) SERVER?)
?
```

```
S "FIRST SOURCE" AND "SECOND SOURCE" AND PD<=001215 AND ((DOWNLOAD??? (5W) PROGRAM??
7W) SERVER?)
>>>File 9 processing for PD=  : PD=001215
>>>    started at PD=871119 stopped at PD=980407
>>>File 15 processing for PD=  : PD=001215
>>>    started at PD=710000 stopped at PD=920203
>>>File 16 processing for PD=  : PD=001215
>>>    started at PD=19900101 stopped at PD=19950623
Processing
>>>File 18 processing for PD=  : PD=001215
>>>    started at PD=19860423 stopped at PD=19931110
Processing
Processing
Processing
>>>File 148 processing for PD=  : PD=001215
>>>    started at PD=140105 stopped at PD=820823
Processing
>>>File 160 processing for PD=  : PD=001215
>>>    started at PD=2103 stopped at PD=770314
>>>File 475 processing for PD=  : PD=001215
>>>    started at PD=191111 stopped at PD=800303
Processed  10 of  19 files ...
>>>File 485 processing for PD=  : PD=001215
>>>    started at PD=130000 stopped at PD=910306
>>>File 583 processing for PD=  : PD=001215
>>>    started at PD=100001 stopped at PD=880408
>>>File 621 processing for PD=  : PD=001215
>>>    started at PD=00000000 stopped at PD=19910208
>>>File 624 processing for PD=  : PD=001215
>>>    started at PD=104 stopped at PD=911218
Processing
>>>File 625 processing for PD=  : PD=001215
>>>    started at PD=8111 stopped at PD=880510
>>>File 626 processing for PD=  : PD=001215
>>>    started at PD=8111 stopped at PD=880628
>>>File 635 processing for PD=  : PD=001215
>>>    started at PD=1190 stopped at PD=901007
>>>File 636 processing for PD=  : PD=001215
>>>    started at PD=19880101 stopped at PD=19940323
Completed processing all files
                    0  FIRST SOURCE
                    0  SECOND SOURCE
             21263858  PD<=001215
              1031450  DOWNLOAD???
             14503030  PROGRAM???
              7268214  CONSUMER?
                  786  DOWNLOAD???(5W)PROGRAM???(S)CONSUMER?
              3042752  TRANSFER?
             11210626  DATA
              1894421  SERVER?
                 1244  TRANSFER?(3W)DATA(7W)SERVER?
      S2            0  "FIRST SOURCE" AND "SECOND SOURCE" AND PD<=001215 AND
                       ((DOWNLOAD??? (5W) PROGRAM???) (S) CONSUMER?)  AND
                       ((TRANSFER? (3W) DATA)  (7W) SERVER?)
```

SHOW FILES
File 745:Investext(R) PDF Index 1999--2006/Feb W2
        (c)2006 Thomson Fin. Networks
File 754:IPO Maven 1994-2000/Jul
        (c) 2000 OTIVA, Inc.
File 760:Euromonitor Strategy 2004/Apr
        (c) 2004 Euromonitor International Inc.
File 761:Datamonitor Market Res. 1992-2006/Feb
        (c) 2006 Datamonitor
File 762:Euromonitor Market Res. 1991-2004/Apr
        (c) 2004 Euromonitor Intl.Inc.
File 805:ONTAP(R) Gale Group Computer DB(TM)
        (c) 1999 The Gale Group
File 810:Business Wire 1986-1999/Feb 28
        (c) 1999 Business Wire
File 813:PR Newswire 1987-1999/Apr 30
        (c) 1999 PR Newswire Association Inc
File 759:Business Insights 1992-2006/Feb
        (c) 2006 Datamonitor

```
Set      Items    Description
S1          0     PD<=001215 AND (("DOWN-LOAD" (3W) PROGRAM?) (S) CONSUMER?)
                  AND ((TRANSFER? (2W) DATA) (5W) SERVER?)
S2          0     PD<=001215 AND ((DOWNLOAD? (3W) PROGRAM?) (S) CONSUMER?) A-
                  ND ((TRANSFER? (2W) DATA) (5W) SERVER?)
S3          0     PD<=001215 AND ((DOWNLOAD? (3W) PROGRAM?) (S) CONSUMER?) A-
                  ND (((TRANSMIT? OR TRANSFER?) (2W) (INFORMATION OR DATA)) (5W)
                  (SERVER? OR SOURCE))
?
```

```
S PD<=001215 AND ((DOWNLOAD? (3W) PROGRAM?) (S) CONSUMER?) AND (((TRANSMIT? OR TRANS
OR SOURCE))
>>>File 745 processing for PD=  : PD=001215
>>>    started at PD=19500816 stopped at PD=19920506
>>>File 810 processing for PD=  : PD=001215
>>>    started at PD=850116 stopped at PD=911124
>>>File 813 processing for PD=  : PD=001215
>>>    started at PD=100000 stopped at PD=900914
        811867  PD<=001215
         35689  DOWNLOAD?
        701285  PROGRAM?
        547774  CONSUMER?
            24  DOWNLOAD?(3W)PROGRAM?(S)CONSUMER?
         40940  TRANSMIT?
        119565  TRANSFER?
       1027916  INFORMATION
       2495521  DATA
        131556  SERVER?
        990408  SOURCE
           133  (TRANSMIT? OR TRANSFER?)(2W)(INFORMATION OR
                DATA)(5W)(SERVER? OR SOURCE)
   S3       0   PD<=001215 AND ((DOWNLOAD? (3W) PROGRAM?) (S) CONSUMER?)
                AND (((TRANSMIT? OR TRANSFER?) (2W) (INFORMATION OR
                DATA)) (5W) (SERVER? OR SOURCE))
?
```

```
S PD<=001215 AND ((DOWNLOAD? (3W) PROGRAM?) (S) CONSUMER?) AND ((TRANSFER? (2W) DATA
>>>File 745 processing for PD=  : PD=001215
>>>    started at PD=19500816 stopped at PD=19920506
>>>File 810 processing for PD=  : PD=001215
>>>    started at PD=850116 stopped at PD=911124
>>>File 813 processing for PD=  : PD=001215
>>>    started at PD=100000 stopped at PD=900914
           811867   PD<=001215
            35689   DOWNLOAD?
           701285   PROGRAM?
           547774   CONSUMER?
               24   DOWNLOAD?(3W)PROGRAM?(S)CONSUMER?
           119565   TRANSFER?
          2495521   DATA
           131556   SERVER?
               77   TRANSFER?(2W)DATA(5W)SERVER?
     S2         0   PD<=001215 AND ((DOWNLOAD? (3W) PROGRAM?) (S) CONSUMER?)
                    AND ((TRANSFER? (2W) DATA) (5W) SERVER?)
?
```

```
S PD<=001215 AND ((DOWNLOAD??? (3W) PROGRAM???) (S) CONSUMER?)   AND ((TRANSFER? (2W)
>>>File 9 processing for PD=  : PD=001215
>>>     started at PD=871119 stopped at PD=980407
>>>File 15 processing for PD=  : PD=001215
>>>     started at PD=710000 stopped at PD=920203
>>>File 16 processing for PD=  : PD=001215
>>>     started at PD=19900101 stopped at PD=19950623
Processing
>>>File 18 processing for PD=  : PD=001215
>>>     started at PD=19860423 stopped at PD=19931110
Processing
Processing
Processing
>>>File 148 processing for PD=  : PD=001215
>>>     started at PD=140105 stopped at PD=820823
Processing
>>>File 160 processing for PD=  : PD=001215
>>>     started at PD=2103 stopped at PD=770314
>>>File 475 processing for PD=  : PD=001215
>>>     started at PD=191111 stopped at PD=800303
Processed  10 of  19 files ...
>>>File 485 processing for PD=  : PD=001215
>>>     started at PD=130000 stopped at PD=910306
>>>File 583 processing for PD=  : PD=001215
>>>     started at PD=100001 stopped at PD=880408
>>>File 621 processing for PD=  : PD=001215
>>>     started at PD=00000000 stopped at PD=19910208
Processing
>>>File 624 processing for PD=  : PD=001215
>>>     started at PD=104 stopped at PD=911218
>>>File 625 processing for PD=  : PD=001215
>>>     started at PD=8111 stopped at PD=880510
>>>File 626 processing for PD=  : PD=001215
>>>     started at PD=8111 stopped at PD=880628
>>>File 635 processing for PD=  : PD=001215
>>>     started at PD=1190 stopped at PD=901007
>>>File 636 processing for PD=  : PD=001215
>>>     started at PD=19880101 stopped at PD=19940323
Completed processing all files
         21263858  PD<=001215
          1031450  DOWNLOAD???
         14503030  PROGRAM???
          7268214  CONSUMER?
              592  DOWNLOAD???(3W)PROGRAM???(S)CONSUMER?
          3042752  TRANSFER?
         11210626  DATA
          1894421  SERVER?
              800  TRANSFER?(2W)DATA(5W)SERVER?
    S1        0  PD<=001215 AND ((DOWNLOAD??? (3W) PROGRAM???) (S)
                  CONSUMER?)  AND ((TRANSFER? (2W) DATA)  (5W) SERVER?)
?
```

```
S "FIRST SOURCE" AND "SECOND SOURCE" AND PD<=001215 AND ((DOWNLOAD??? (5W) PROGRAM??
7W) SERVER?)
>>>File 9 processing for PD=  : PD=001215
>>>    started at PD=871119 stopped at PD=980407
>>>File 15 processing for PD=  : PD=001215
>>>    started at PD=710000 stopped at PD=920203
>>>File 16 processing for PD=  : PD=001215
>>>    started at PD=19900101 stopped at PD=19950623
Processing
>>>File 18 processing for PD=  : PD=001215
>>>    started at PD=19860423 stopped at PD=19931110
Processing
Processing
Processing
>>>File 148 processing for PD=  : PD=001215
>>>    started at PD=140105 stopped at PD=820823
Processing
>>>File 160 processing for PD=  : PD=001215
>>>    started at PD=2103 stopped at PD=770314
>>>File 475 processing for PD=  : PD=001215
>>>    started at PD=191111 stopped at PD=800303
Processed  10 of  19 files ...
>>>File 485 processing for PD=  : PD=001215
>>>    started at PD=130000 stopped at PD=910306
>>>File 583 processing for PD=  : PD=001215
>>>    started at PD=100001 stopped at PD=880408
>>>File 621 processing for PD=  : PD=001215
>>>    started at PD=00000000 stopped at PD=19910208
>>>File 624 processing for PD=  : PD=001215
>>>    started at PD=104 stopped at PD=911218
Processing
>>>File 625 processing for PD=  : PD=001215
>>>    started at PD=8111 stopped at PD=880510
>>>File 626 processing for PD=  : PD=001215
>>>    started at PD=8111 stopped at PD=880628
>>>File 635 processing for PD=  : PD=001215
>>>    started at PD=1190 stopped at PD=901007
>>>File 636 processing for PD=  : PD=001215
>>>    started at PD=19880101 stopped at PD=19940323
Completed processing all files
                0  FIRST SOURCE
                0  SECOND SOURCE
         21263858  PD<=001215
          1031450  DOWNLOAD???
         14503030  PROGRAM???
          7268214  CONSUMER?
              786  DOWNLOAD???(5W)PROGRAM???(S)CONSUMER?
          3042752  TRANSFER?
         11210626  DATA
          1894421  SERVER?
             1244  TRANSFER?(3W)DATA(7W)SERVER?
   S2         0  "FIRST SOURCE" AND "SECOND SOURCE" AND PD<=001215 AND
                  ((DOWNLOAD??? (5W) PROGRAM???) (S) CONSUMER?)  AND
                  ((TRANSFER? (3W) DATA)  (7W) SERVER?)
```

T S1/3,KWIC/1

  1/3,KWIC/1   *A*

05848549   SUPPLIER NUMBER: 63507096   (USE FORMAT 7 OR 9 FOR FULL TEXT)
 Yokogawa's DAQStation Offers Digital Data Collection.(Product Announcement)
ENT, 5, 10, 34
June 14, 2000
DOCUMENT TYPE: Product Announcement   ISSN: 1085-2395   LANGUAGE:
   English   RECORD TYPE: Fulltext
WORD COUNT: 128   LINE COUNT: 00012

TEXT:
     ...of America provides digital data acquisition, and can function as
either a FTP server or client through a built-in Ethernet port. By acting
as an FTP server, DAQ-Station allows...

...data in real-time, or pull stored data off the device. Using this same
method, data can also be transferred from the data acquisition device
to a server . Since DAQStation also supports multiple connections through
an Ethernet port, users can view data as it is being downloaded to a PC
via FTP. DAQStation can also be programmed to automatically send copies
of data to a back-up tape drive or alternate server.

 20000614
?

```
S PD<=001215 AND ((("DOWN-LOAD" OR DOWNLOAD?) (9N) PROGRAM?) (S) (CLIENT OR CONSUMER
  SERVER?) )

Your SELECT statement is:
   S PD<=001215 AND ((("DOWN-LOAD" OR DOWNLOAD?) (9N) PROGRAM?) (S) (CLIENT
OR CONSUMER?)) AND ((TRANSFER? (5N) DATA)  (7W) (SOURCE OR SERVER?) )

            Items    File
            -----    ----
>>>File 47 processing for PD=  : PD=001215
>>>File 47:    started at PD=590100 stopped at PD=640127
              1    47: Gale Group Magazine DB(TM)_1959-2006/Feb 14

   1 file has one or more items; file list includes 5 files.
   One or more terms were invalid in 3 files.

?
```

S PD<=001215 AND ((PRODUCT OR ITEM) (S) PRIC?) AND ((("DOWN-LOAD" OR DOWNLOAD?) (5N
ANSFER? (3N) DATA) (7W) (SOURCE OR SERVER?))

Your SELECT statement is:
    S PD<=001215 AND ((PRODUCT OR ITEM) (S) PRIC?) AND ((("DOWN-LOAD" OR
DOWNLOAD?) (5N) PROGRAM?) (S) (CLIENT OR CONSUMER?)) AND ((TRANSFER? (3N)
DATA) (7W) (SOURCE OR SERVER?))

```
            Items    File
            -----    ----
```

    No files have one or more items; file list includes 5 files.
    One or more terms were invalid in 3 files.

9|737339

A

1/9/1
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2006 The Gale group. All rts. reserv.

05848549   SUPPLIER NUMBER: 63507096   (THIS IS THE FULL TEXT)
 Yokogawa's DAQStation Offers Digital Data Collection.(Product Announcement)
ENT, 5, 10, 34
June 14, 2000
DOCUMENT TYPE: Product Announcement   ISSN: 1085-2395   LANGUAGE:
  English   RECORD TYPE: Fulltext
WORD COUNT: 128   LINE COUNT: 00012

TEXT:
      The recently released DAQStation by Yokogawa Corp. of America
provides digital data acquisition, and can function as either a FTP server
or client through a built-in Ethernet port. By acting as an FTP server,
DAQ-Station allows users to access the data acquisition device, retrieve
data, view data in real-time, or pull stored data off the device. Using
this same method, data can also be transferred from the data acquisition
device to a server. Since DAQStation also supports multiple connections
through an Ethernet port, users can view data as it is being downloaded to
a PC via FTP. DAQStation can also be programmed to automatically send
copies of data to a back-up tape drive or alternate server.
            COPYRIGHT 2000 Boucher Communications, Inc.
 COMPANY NAMES: Yokogawa Corporation of America--Product introduction
 DESCRIPTORS: Computer peripherals industry--Product introduction;
  Computer storage devices--Product introduction; Testing and measuring
  equipment industry--Product introduction
 GEOGRAPHIC CODES/NAMES: 1USA United States
 EVENT CODES/NAMES: 336 Product introduction
 PRODUCT/INDUSTRY NAMES: 7372522 (Data Acquisition Software); 3573210
  (Computer Storage Devices); 3825000 (Test & Measuring Equip)
 SIC CODES: 7372 Prepackaged software; 3572 Computer storage devices;
  3825 Instruments to measure electricity
 NAICS CODES: 51121 Software Publishers; 334112 Computer Storage Device
  Manufacturing; 334515 Instrument Manufacturing for Measuring and Testing
  Electricity and Electrical Signals
 TRADE NAMES: Yokogawa DAQStation (Data storage device)--Product
  introduction
 FILE SEGMENT: CD File 275
?

$\mathcal{9}$/737339

S ((TRANSFER??? (2N) DATA) (7W) (SERVER OR SOURCE)) AND PD<=001215

Your SELECT statement is:
   S ((TRANSFER??? (2N) DATA) (7W) (SERVER OR SOURCE)) AND PD<=001215

```
              Items   File
              -----   ----
>>>File 9 processing for PD=  : PD=001215
>>>     started at PD=871119 stopped at PD=980407
            29     9: Business & Industry(R)_Jul/1994-2006/Feb 13
            31    13: BAMP_2006/Feb W1
>>>File 15 processing for PD=  : PD=001215
>>>File 15:    started at PD=710000 stopped at PD=920203
            16    15: ABI/Inform(R)_1971-2006/Feb 13
>>>File 16 processing for PD=  : PD=001215
>>>File 16:    started at PD=19900101 stopped at PD=19950623
            59    16: Gale Group PROMT(R)_1990-2006/Feb 13
>>>File 18 processing for PD=  : PD=001215
>>>File 18:    started at PD=19860423 stopped at PD=19931110
             3    18: Gale Group F&S Index(R)_1988-2006/Feb 13
Processing
           124    20: Dialog Global Reporter_1997-2006/Feb 09
>>>File 47 processing for PD=  : PD=001215
>>>File 47:    started at PD=590100 stopped at PD=640127
             9    47: Gale Group Magazine DB(TM)_1959-2006/Feb 14
             1    73: EMBASE_1974-2006/Feb 14
             2    75: TGG Management Contents(R)_86-2006/Jan W5
             5   112: UBM Industry News_1998-2004/Jan 27
       Examined  50 files
>>>File 148 processing for PD=  : PD=001215
>>>File 148:    started at PD=140105 stopped at PD=820823
            54   148: Gale Group Trade & Industry DB_1976-2006/Feb 14
>>>File 149 processing for PD=  : PD=001215
>>>File 149:    started at PD=760100 stopped at PD=820505
             2   149: TGG Health&Wellness DB(SM)_1976-2006/Jan W5
```

```
S PD<=001215 AND (("DOWN-LOAD" (5N) PROGRAM???) (S) CONSUMER?)   AND ((TRANSFER? (2N)
>>>One or more prefixes are unsupported
>>>  or undefined in one or more files.
>>>File 60 processing for PD=   : PD=001215
>>>     started at PD=NOV.0000 stopped at PD=19871222
Processing
>>>File 99 processing for PD=   : PD=001215
>>>     started at PD=DEC.1200 stopped at PD=19910204
>>>File 103 processing for PD=   : PD=001215
>>>     started at PD=0210 stopped at PD=19740401
Processed  10 of  20 files ...
>>>File 144 processing for PD=   : PD=001215
>>>     started at PD=18019 stopped at PD=198311
>>>File 275 processing for PD=   : PD=001215
>>>     started at PD=140103 stopped at PD=871208
Processing
Processed  20 of  20 files ...
Completed processing all files
         12009180   PD<=001215
                2   DOWN-LOAD
          3677600   PROGRAM???
           420764   CONSUMER?
                0   DOWN-LOAD(5N)PROGRAM???(S)CONSUMER?
          3075566   TRANSFER?
          9130019   DATA
           509329   SERVER?
           367225   CLIENT?
             1477   TRANSFER?(2N)DATA(7W)(SERVER? OR CLIENT?)
     S5         0   PD<=001215 AND (("DOWN-LOAD" (5N) PROGRAM???) (S)
                    CONSUMER?)   AND ((TRANSFER? (2N) DATA)  (7W) (SERVER? OR
                    CLIENT?))
?
```

```
S PD<=001215 AND (("DOWN-LOAD" (10W) PROGRAM???) (S) CONSUMER)   AND ((TRANSFER???? (
>>>One or more prefixes are unsupported
>>>  or undefined in one or more files.
>>>File 60 processing for PD=  : PD=001215
>>>    started at PD=NOV.0000 stopped at PD=19871222
>>>File 99 processing for PD=  : PD=001215
>>>    started at PD=DEC.1200 stopped at PD=19910204
>>>File 103 processing for PD=  : PD=001215
>>>    started at PD=0210 stopped at PD=19740401
Processing
Processed  10 of  20 files ...
>>>File 144 processing for PD=  : PD=001215
>>>    started at PD=18019 stopped at PD=198311
>>>File 275 processing for PD=  : PD=001215
>>>    started at PD=140103 stopped at PD=871208
Completed processing all files
        12009180  PD<=001215
               2  DOWN-LOAD
         3677600  PROGRAM???
          299028  CONSUMER
               0  DOWN-LOAD(10W)PROGRAM???(S)CONSUMER
         3066429  TRANSFER????
         9130019  DATA
          422089  SERVER
             749  TRANSFER????(2N)DATA(7W)SERVER
   S4          0  PD<=001215 AND (("DOWN-LOAD" (10W) PROGRAM???) (S)
                  CONSUMER)  AND ((TRANSFER???? (2N) DATA)  (7W) (SERVER))
```

```
S PD<=001215 AND (("DOWNLOAD" (10W) PROGRAM???) (S) CONSUMER)  AND ((TRANSFER???? (2
>>>One or more prefixes are unsupported
>>>  or undefined in one or more files.
>>>File 60 processing for PD=  : PD=001215
>>>     started at PD=NOV.0000 stopped at PD=19871222
>>>File 99 processing for PD=  : PD=001215
>>>     started at PD=DEC.1200 stopped at PD=19910204
Processing
>>>File 103 processing for PD=  : PD=001215
>>>     started at PD=0210 stopped at PD=19740401
Processed  10 of  20 files ...
>>>File 144 processing for PD=  : PD=001215
>>>     started at PD=18019 stopped at PD=198311
>>>File 275 processing for PD=  : PD=001215
>>>     started at PD=140103 stopped at PD=871208
Completed processing all files
        12009180   PD<=001215
           62560   DOWNLOAD
         3677600   PROGRAM???
          299028   CONSUMER
              47   DOWNLOAD(10W)PROGRAM???(S)CONSUMER
         3066429   TRANSFER????
         9130019   DATA
          422089   SERVER
             749   TRANSFER????(2N)DATA(7W)SERVER
  S3         0   PD<=001215 AND (("DOWNLOAD" (10W) PROGRAM???) (S)
                   CONSUMER)  AND ((TRANSFER???? (2N) DATA)  (7W) (SERVER))
```

```
S PD<=001215 AND ((DOWNLOAD??? (10W) PROGRAM???) (S) CONSUMER)   AND ((TRANSFER???? (
>>>One or more prefixes are unsupported
>>>  or undefined in one or more files.
>>>File 60 processing for PD=  : PD=001215
>>>     started at PD=NOV.0000 stopped at PD=19871222
Processing
>>>File 99 processing for PD=  : PD=001215
>>>     started at PD=DEC.1200 stopped at PD=19910204
>>>File 103 processing for PD=  : PD=001215
>>>     started at PD=0210 stopped at PD=19740401
Processed  10 of  20 files ...
>>>File 144 processing for PD=  : PD=001215
>>>     started at PD=18019 stopped at PD=198311
>>>File 275 processing for PD=  : PD=001215
>>>     started at PD=140103 stopped at PD=871208
Completed processing all files
        12009180   PD<=001215  .
          106096   DOWNLOAD???
         3677600   PROGRAM???
          299028   CONSUMER
              72   DOWNLOAD???(10W)PROGRAM???(S)CONSUMER
         3066429   TRANSFER????
         9130019   DATA
          422089   SERVER
             749   TRANSFER????(2N)DATA(7W)SERVER
   S2        0   PD<=001215 AND ((DOWNLOAD??? (10W) PROGRAM???) (S)
                 CONSUMER)  AND ((TRANSFER???? (2N) DATA)  (7W) (SERVER))
```

```
S PD<=001215 AND ((DOWNLOAD??? (7W) PROGRAM???) (S) CONSUMER)  AND ((TRANSFER???? (2
>>>One or more prefixes are unsupported
>>>  or undefined in one or more files.
Processing
>>>File 60 processing for PD=  : PD=001215
>>>     started at PD=NOV.0000 stopped at PD=19871222
Processed  10 of  20 files ...
>>>File 99 processing for PD=  : PD=001215
>>>     started at PD=DEC.1200 stopped at PD=19910204
>>>File 103 processing for PD=  : PD=001215
>>>     started at PD=0210 stopped at PD=19740401
>>>File 144 processing for PD=  : PD=001215
>>>     started at PD=18019 stopped at PD=198311
Processing
>>>File 275 processing for PD=  : PD=001215
>>>     started at PD=140103 stopped at PD=871208
Processed  20 of  20 files ...
Completed processing all files
        12009180   PD<=001215
          106096   DOWNLOAD???
         3677600   PROGRAM???
          299028   CONSUMER
              65   DOWNLOAD???(7W)PROGRAM???(S)CONSUMER
         3066429   TRANSFER????
         9130019   DATA
          422089   SERVER
             580   TRANSFER????(2N)DATA(5W)SERVER
   S1         0   PD<=001215 AND ((DOWNLOAD??? (7W) PROGRAM???) (S)
                   CONSUMER)  AND ((TRANSFER???? (2N) DATA)  (5W) (SERVER))
?
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      L9: Entry 3 of 3   File: USPT   Sep 26, 2000

US-PAT-NO: 6125352
DOCUMENT-IDENTIFIER: US 6125352 A
** See image for Certificate of Correction **

TITLE: System and method for conducting commerce over a distributed network

DATE-ISSUED: September 26, 2000

INVENTOR-INFORMATION:·

NAME	CITY	STATE	ZIP CODE	COUNTRY
Franklin; D. Chase	Seattle	WA		
Remington; Darren B.	Issaquah	WA		
Saliba; Bassam	Kirkland	WA		
Speelpenning; Bert	Kirkland	WA		
Cockrill; Michael	Issaquah	WA		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Microsoft Corporation	Redmond	WA			02

APPL-NO:. 08/748688   [PALM]
DATE FILED: November 13, 1996

PARENT-CASE:
PRIORITY This application claims priority from the provisional patent application
No. 60/020,891 mailed Jun. 28, 1996, titled, "SYSTEM AND METHOD FOR CONDUCTING
COMMERCE OVER A DISTRIBUTED NETWORK."

INT-CL-ISSUED: [07] G06 F 17/60

US-CL-ISSUED: 705/26; 705/27, 709/217, 709/218, 709/219
US-CL-CURRENT: 705/26; 705/27, 709/217, 709/218, 709/219

FIELD-OF-CLASSIFICATION-SEARCH: 705/26, 705/27, 705/16, 705/17, 705/18, 705/1,
380/24, 380/25, 235/383, 340/825.35, 395/200.47, 395/200.48, 395/200.49, 709/218,
709/219, 709/217
See application file for complete search history.

PRIOR-ART-DISCLOSED:

                              U.S. PATENT DOCUMENTS

▮ Search Selected ▮ | Search ALL | | Clear |

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	4799156	January 1989	Shavit et al.	364/401
☐	4992940	February 1991	Dworkin	364/401
☐	5469206	November 1995	Strubbe et al.	348/7
☐	5590197	December 1996	Chen et al.	380/24
☐	5640193	June 1997	Wellner	348/7
☐	5664110	September 1997	Green et al.	705/26
☐	5664115	September 1997	Fraser	705/37
☐	5671279	September 1997	Elgamal	380/23
☐	5677955	October 1997	Doggett et al.	380/24
☐	5710887	January 1998	Chelliah et al.	705/26
☐	5721832	February 1998	Westrope et al.	705/27
☐	5744787	April 1998	Teicher	235/380
☐	5757917	May 1998	Rose et al.	380/25
☐	5850446	December 1998	Berger et al.	380/24
☐	5918213	June 1999	Bernard et al.	705/26
☐	5956483	September 1999	Grate et al.	709/203

OTHER PUBLICATIONS

General overview and description of eShop Technology, Internet address:
http://www.eshop.com/corp/technology.html. This reference was copied from the
Internet and printed around May, 1996, although the pages are dated Jan. 1, 1996.
A compilation of press releases of various dates describing features of eShop
Technology, Internet address: http://www.eshop.com/corp/press.html. This reference
was copied from Internet and printed around May, 1996, although the pages are dated
Jan. 1, 1996. Also note dates listed for press release of Nov. 7, 1995, Dec. 7,
1995, and Jan. 23, 1996.

ART-UNIT: 271

PRIMARY-EXAMINER: Cosimano; Edward R.

ATTY-AGENT-FIRM: Lee & Hayes, PLLC

ABSTRACT:

A system and method for conducting commerce over a distributed network manage
merchant and product information in an electronic shopping basket, payment source
information in an electronic wallet, and shipping address information in an
electronic address book, all of such information being stored on a consumer
computer. A commerce client running on the consumer computer is configured as a
MIME handler and extends the functionality of a standard Web browser to support
computer-based shopping. A merchant site Web server provides HTML-coded Web
documents which describe merchant products and which host computer-based shopping
options. The HTML-coded Web documents contain function-calling information by which
consumer-selected options invoke shopping-related functions on either the merchant
(server) computer or the consumer (client) computer. A consumer selects the options

from within the Web browser to initiate shopping-related operations such as:
retrieve product information from merchants on the World Wide Web, selectively
store product information locally on the consumer computer, locally compare product
information from different merchants, locally store payment source and shipping
address information and selectively forward such information to merchant sites,
order products from Web-based merchants, track the status of purchase orders, and
receive instructional information on application usage.

25 Claims, 12 Drawing figures

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L9: Entry 2 of 3   File: USPT   Jan 29, 2002

US-PAT-NO: 6343274
DOCUMENT-IDENTIFIER: US 6343274 B1

TITLE: Apparatus and method for merchant-to-consumer advertisement communication
system

DATE-ISSUED: January 29, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
McCollom; William Girard	Fort Collins	CO		
Ables; Robert King	Drake	CO		
Bray; Jacqueline Ann	Fort Collins	CO		
Cotten; Carolyn Soberalske	Hotchkiss	CO		
Fink; Martin Robert	Fort Collins	CO		
Meyer; Shane Douglas	Windsor	CO		
Steigerwald; Silvi Kiisk	Fort Collins	CO		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Hewlett-Packard	Palo Alto	CA			02

APPL-NO: 09/151498   [PALM]
DATE FILED: September 11, 1998

INT-CL-ISSUED: [07] G06 F 17/60

US-CL-ISSUED: 705/26; 705/14
US-CL-CURRENT: 705/26; 705/14

FIELD-OF-CLASSIFICATION-SEARCH: 705/26, 705/10, 705/65, 705/14, 709/217, 709/21,
380/24, 380/25
See application file for complete search history.

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

│ Search Selected │ │ Search ALL │ │ Clear │

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	5710884	January 1998	Dedrick	709/217
☐	5724521	March 1998	Dedrick	705/26

☐	5732400	March 1998	Mandler et al.	705/26
☐	5828837	October 1998	Eikeland	395/200.32
☐	5850442	December 1998	Muftic	705/65
☐	5889863	March 1999	Weber	380/25
☐	5933811	August 1999	Angles et al.	705/14
☐	5948061	September 1999	Merriman et al.	709/219
☐	5950173	September 1999	Perkowski	705/26
☐	5974396	October 1999	Anderson et al.	705/10
☐	5987132	November 1999	Rowney	380/24
☐	5999912	December 1999	Wodarz et al.	705/14
☐	6006197	December 1999	D'Eon et al.	705/10
☐	6009410	December 1999	LeMole et al.	705/14
☐	6026369	February 2000	Capek	705/14

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	CLASS
WO 00/05684	February 2000	WO	

OTHER PUBLICATIONS

Campbell, Lisa "Net Worth: Internet Advertising." Marketing (May 28, 1998) pp. 1-6.*
Mosley-Matchett, J.D. "`Eveball` the validity of Internet ad measures." Marketing news (May 12, 1997) vol. 31, No. 10, pp. 1-3.

ART-UNIT: 2162

PRIMARY-EXAMINER: Stamber; Eric W.

ASSISTANT-EXAMINER: Young; John Leonard

ABSTRACT:

An apparatus and method provide privacy for the consumer identity and protects information concerning advertisements accessed by the consumer while still providing marketing and demographic statistics to the merchant regarding those advertisement accesses. A consumer user interface provides the consumer easy control over what advertisements the consumer is receiving and allows the consumer to easily subscribe and unsubscribe from advertisements from either particular merchants or categories of products and services. A commerce server receives the request for services from the consumer user interface program and provides the requested advertisements from specific merchants or from selected categories.

29 Claims, 11 Drawing figures

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First Hit   Previous Doc   Next Doc   Go to Doc#

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L9: Entry 1 of 3   File: PGPB   Jan 24, 2002

PGPUB-DOCUMENT-NUMBER: 20020010623
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020010623 A1

TITLE: SYSTEM AND METHOD FOR PUBLISHING, DISTRIBUTING AND REDEEMING COUPONS ON A
NETWORK

PUBLICATION-DATE: January 24, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
MCCOLLOM, WILLIAM GIRARD	FORT COLLINS	CO	US
ABLES, ROBERT KING	DRAKE	CO	US
BRAY, JACQUELINE ANN	FORT COLLINS	CO	US
COTTEN, CAROLYN SOBERALSKE	HOTCHKISS	CO	US
FINK, MARTIN ROBERT	FORT COLLINS	CO	US
MEYER, SHANE DOUGLAS	WINDSOR	CO	US
STEIGERWALD, SILVI KIISK	FORT COLLINS	CO	US

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	COUNTRY	TYPE CODE
Hewlett-Packard Company				02

APPL-NO: 09/203247   [PALM]
DATE FILED: December 1, 1998

CONTINUED PROSECUTION APPLICATION: This is a publication of a continued prosecution
application (CPA) filed under 37 CFR 1.53(d).

RELATED-US-APPL-DATA:
Application 09/203247 is a continuation-in-part-of US application 09/151498, filed
September 11, 1998, PENDING
Application 09/203247 is a continuation-in-part-of US application 09/149775, filed
September 8, 1998, US Patent No. 6266058

INT-CL-PUBLISHED: [07] G06 F 17/60, G06 F 15/16

US-CL-PUBLISHED: 705/14; 705/26, 709/203
US-CL-CURRENT: 705/14; 705/26, 709/203

REPRESENTATIVE-FIGURES: 1

ABSTRACT:

A system and method publish, distribute and redeem coupons on a network system. The

system and method utilize a merchant server and a commerce server. The merchant server provides the merchant the ability to transmit requests to create a coupon, and transmit coupon data regarding the coupon creation. The commerce server receives the requests to create a coupon, and receives the coupon creation data. The commerce server saves the coupon data to a coupon database, and provides access to the coupon to customers on the network. A merchant server further provides the merchant the ability to receive a request for purchasing an item, and a request for redeeming a coupon for that purchase from a consumer. The merchant server verifies the coupon is a valid coupon, and allows the coupon to be redeemed in the purchase of the item if the coupon is valid. The merchant server upon redemption of the coupon, updates a coupon database to record that the coupon has been redeemed by the customer.

CROSS REFERENCE TO RELATED APPLICATION

[0001] This application is a continuation-in-part of application entitled "Apparatus and Method for a Merchant-to-Consumer Advertisement Communication System," Ser. No. 09/151,498, filed Sep. 11, 1998, and application entitled "Apparatus and Method for Linking Browser Bars With Active Documents for a Browser," Ser. No. 09/149,775, filed Sep. 8, 1998, now pending and incorporated herein by reference.

Refine Search

Terms	Documents
L3 and (first and second)	7

Database:

```
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins
```

Search:

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L4
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Refine Search

Recall Text   Clear   Interrupt

Search History

DATE: Tuesday, February 14, 2006   Printable Copy   Create Case

Set Name side by side	Query	Hit Count	Set Name result set
	DB=PGPB,USPT; THES=ASSIGNEE; PLUR=YES; OP=OR		
L4	L3 and (first and second)	7	L4
L3	L1 and ((item$ or product$) with (price or pricing or cost$))	7	L3
L2	L1 and (price or pricing or cost$)	24	L2
L1	((download$ adj3 program$) same consumer$) and ((transfer$ or transmit$) with (information or data) with (server$ or source$)) and @ad<=20001215	26	L1

END OF SEARCH HISTORY

DOCUMENT-IDENTIFIER: US 6343274 B1
TITLE: Apparatus and method for merchant-to-consumer advertisement communication
system

Application Filing Date (1):
19980911

Detailed Description Text (8):
The first embodiment of the present invention involves the browser consumer program
100. The browser consumer program 100 is the software that interacts with the
commerce and merchant servers to obtain the requested advertisement data and
functionality requested by the consumer. The consumer program 100 will be described
hereafter in detail with regard to FIGS. 4 and 5.

Detailed Description Text (19):
Illustrated in FIG. 6 is the flow diagram of the report generation process for the
consumer server application of the present invention. The commerce server 31 first
allows the merchant to select a type of report for generation at step 141. The
commerce server 31 then requests the merchant to select a specific type of report
requested at step 142. The commerce server 31 next generates a specific report
requested and presents the report as a HTML document to the merchant website 34
merchant browser at step 143. In an alternative embodiment, these documents can be
generated in other types of desired formats.

Detailed Description Text (26):
If the consumer does request interaction with the commerce server 31 at step 172,
the consumer program then connects to the commerce server 31 at step 173. Once the
connection is established with the commerce server 31, the consumer program 100
then sends the demographic ID# for the consumer, the time stamp for the last time
the consumer data was downloaded, and the version number of the program used by the
consumer. The consumer program 100 also sends for each merchant ID advertisement
and each category advertisement, the statistical information for each advertisement
the consumer has viewed. The statistical information captured about each
advertisement viewed by the consumer includes, but is not limited to: the number of
times each advertisement for each merchant in each category is seen; the percentage
of the advertisement viewed; the total amount of time spent viewing the
advertisement; what time periods of the day the advertisement is viewed; and the
number of times the user has clicked on the advertisement to obtain further
information from the merchant website 34. The consumer program will continue to
send this type of information for each merchant ID and category ID, for each
advertisement with captured statistical information.

Detailed Description Text (45):
4. The cost of the item will also be included in the list.

Detailed Description Text (46):
5. Notes for any additional information that the consumer wants to retain is also
included. It is possible to drag and drop web pages into this second notes
attachment field. The notes attachment should also support clip board cut and
paste.

Detailed Description Text (47):
The list of ideas is an icon on a browser bar that brings a consumer to the ideas
area with no filtering. The <u>first</u> time to the ideas area, the left list tab will be
active, i.e., positioned in front. On subsequent visits to this list of ideas, the
last list used will be displayed and active.

Detailed Description Text (48):
Moving through the list to a merchant site is done in the following ways: <u>first,</u> by
clicking on a tab that brings a list forward. As mentioned earlier, if a tab is a
new list, the process of creating a new list will automatically be initiated.
Another way to move through the list of ideas is by clicking on a list item that
selects another item. A third way to move through the list is by clicking on the
location field which jumps to a merchant page. In the preferred embodiment, a URL
is used to jump to a merchant page thereby replacing the current area with the
merchant page. Another method of navigating through the list of ideas is by
clicking on the notes icon that pops up with the notes dialog. If a note does not
exist, it is created when clicked upon. The list of ideas also includes the ability
to click on a find button to bring a find dialog up for consumer interaction. The
lists can then be searched by store name, catalog description, key words or text
description. If there are multiple matches on a given search, the <u>first</u> item found
is highlighted (with the list moved forward, if necessary). Utilizing the find
button again can then be selected via a right click on a mouse button to jump to
the next matched item. If no items match a consumer search, a dialog box is
displayed indicating this situation.

CLAIMS:

1. A method for providing privacy for consumer information while accessing merchant
advertisement resources in a network system, the method comprising the steps of:

collecting consumer nonprivate statistical advertisement data for advertisements
accessed by a consumer using a consumer user interface;

<u>transmitting</u> the consumer nonprivate statistical advertisement <u>data</u> to a commerce
<u>server;</u>

receiving automatically new consumer preselected specific types of advertisements
for display to the consumer on the consumer user interface; and

providing anonymous nonprivate statistical advertisement data to a merchant.

8. The method of claim 1, further including the steps of:

registering the consumer for particular merchant advertisements listed by category
from a plurality of merchants; and

selecting by the consumer the consumer preselected specific types of advertisements
to be received from a <u>second</u> plurality of merchants.

10. A computer system for providing privacy for consumer information while
accessing merchant advertisement resources in a network system, comprising:

means for collecting consumer nonprivate statistical advertisement data for
advertisements accessed by a consumer using a consumer user interface;

means for <u>transmitting</u> the consumer nonprivate statistical advertisement <u>data</u> to a
commerce <u>server;</u>

means for receiving automatically new consumer preselected specific types of

advertisements for display to the consumer on the consumer user interface; and

means for providing anonymous nonprivate statistical advertisement data to a merchant.

17. The computer system apparatus of claim 10, further comprising:

means for allowing the consumer to register for particular merchant advertisements listed by category from a plurality of merchants; and

means for allowing the consumer to select the preselected specific types of advertisements to be received from a second plurality of merchants.

20. The client device of claim 19, further comprising:

a first client mechanism that enables the consumer to determine when the client device is to automatically receive the consumer preselected specific types of advertisements.

21. The client device of claim 19, further comprising:

a second client mechanism that enables the consumer to determine which of the consumer preselected specific types of advertisements are automatically received.

25. The commerce server device of claim 19, further comprising:

a second commerce server mechanism that enables merchant interaction with the commerce server device, enables the merchant to sign up and register, and enables the merchant to edit a merchant profile on the commerce server.

DOCUMENT-IDENTIFIER: US 20020010623 A1
TITLE: SYSTEM AND METHOD FOR PUBLISHING, DISTRIBUTING AND REDEEMING COUPONS ON A
NETWORK

Abstract Paragraph:
A system and method publish, distribute and redeem coupons on a network system. The
system and method utilize a merchant server and a commerce server. The merchant
server provides the merchant the ability to transmit requests to create a coupon,
and transmit coupon data regarding the coupon creation. The commerce server
receives the requests to create a coupon, and receives the coupon creation data.
The commerce server saves the coupon data to a coupon database, and provides access
to the coupon to customers on the network. A merchant server further provides the
merchant the ability to receive a request for purchasing an item, and a request for
redeeming a coupon for that purchase from a consumer. The merchant server verifies
the coupon is a valid coupon, and allows the coupon to be redeemed in the purchase
of the item if the coupon is valid. The merchant server upon redemption of the
coupon, updates a coupon database to record that the coupon has been redeemed by
the customer.

Application Filing Date:
19981201

Summary of Invention Paragraph:
[0012] In general, the apparatus and method are implemented as follows. A merchant
server provides the merchant the ability to transmit requests to create a coupon,
and transmit coupon data regarding the coupon creation. A commerce server receives
the requests to create a coupon, and receives the coupon creation data. The
commerce server saves the coupon data to a coupon database, and provides access to
the coupon to customers on the network. A merchant server further provides the
merchant the ability to receive a request for purchasing an item, and a request for
redeeming a coupon for that purchase from a consumer. The merchant server verifies
the coupon is a valid coupon, and allows the coupon to be redeemed in the purchase
of the item if the coupon is valid. The merchant server upon redemption of the
coupon, updates a coupon database to record that the coupon has been redeemed by
the customer.

Detail Description Paragraph:
[0063] The first embodiment of the present invention involves the consumer shopper
program 70. The consumer shopper program 70 is the software that interacts with the
commerce and merchant servers to obtain the requested advertisement data and
functionality requested by the consumer. The consumer shopper program 70 will be
described hereafter in detail with regard to FIGS. 5 and 6.

Detail Description Paragraph:
[0078] Illustrated in FIG. 7 is the flow diagram of the report generation process
for the consumer server application of the present invention. The commerce server
23 first allows the merchant to select a type of report for generation at step 141.
The commerce server 23 then requests the merchant to select a specific type of
report requested at step 142. The commerce server 23 next generates a specific
report requested and presents the report as a HTML document to the merchant website

26 merchant browser at step 143. In an alternative embodiment, these documents can be generated in other types of desired formats.

Detail Description Paragraph:
[0086] If the consumer does request interaction with the commerce server 23 at step 172, the consumer shopper program 70 then connects to the commerce server 23 at step 173. Once the connection is established with the commerce server 23, the consumer shopper program 70 then sends the demographic ID number for the consumer, the time stamp for the last time the consumer data was downloaded, and the version number of the program used by the consumer. The consumer shopper program 70 also sends for each merchant ID advertisement and each category advertisement, the statistical information for each advertisement the consumer has viewed. The statistical information captured about each advertisement viewed by the consumer includes, but is not limited to: the number of times each advertisement for each merchant in each category is seen; the percentage of the advertisement viewed; the total amount of time spent viewing the advertisement; what time periods of the day the advertisement is viewed; and the number of times the user has clicked on the advertisement to obtain further information from the merchant website 26. The consumer program will continue to send this type of information for each merchant ID and category ID, for each advertisement with captured statistical information.

Detail Description Paragraph:
[0105] 4. The cost of the item will also be included in the list.

Detail Description Paragraph:
[0106] 5. Notes for any additional information that the consumer wants to retain is also included. It is possible to drag and drop web pages into this second notes attachment field. The notes attachment should also support clip board cut and paste.

Detail Description Paragraph:
[0107] The list of ideas is an icon on a browser bar that brings a consumer to the ideas area with no filtering. The first time to the ideas area, the left list tab will be active, i.e., positioned in front. On subsequent visits to this list of ideas, the last used list will be displayed and active.

Detail Description Paragraph:
[0108] Moving through the list to a merchant site can be done in the following ways. First, it can be accomplished by clicking on a tab that brings a list forward. As mentioned earlier, if a tab is a new list, then the process of creating a new list will automatically be initiated. Another way to move through the list of ideas is by clicking on a list item that selects another item. A third way to move through the list is by clicking on the location field which jumps to a merchant page. In the preferred embodiment, a URL is used to jump to a merchant page, thereby replacing the current area with the merchant page. Another method of navigating through the list of ideas is by selecting (clicking on) the notes icon that is made available (pops up) with the notes dialog. If a note does not exist, then it is created when clicked upon. The list of ideas also includes the ability to select a find button to bring a find dialog up for consumer interaction. The lists can then be searched by store name, catalog description, keywords, and/or text description. If there are multiple matches on a given search, the first item found is highlighted (with the list moved forward, if necessary). Utilizing the find button again can then be selected via a right click on a mouse button to jump to the next matched item. If no items match a consumer search, then a dialog box is displayed indicating this situation.

Detail Description Paragraph:
[0127] Illustrated in FIG. 16 is a flow diagram of the consumer purchase list process 270 for the consumer shopper program 70 of the present invention. The user purchase list process 270 first checks if the user has elected to mail a purchase

list at step 272. If the mail purchase list was selected at step 272, the user purchase list process 270 requests the title for the purchase list elected for mailing at step 273. The user purchase list process 270 encapsulates the selected list via the mime processing and mails the encapsulated list/FTP or otherwise transmits the selected purchase list to another user including the date and time that the list was mailed at step 273. The user purchase list process 270 then returns to continue processing at step 272. If mailing a purchase list was not selected at step 272, the user purchase list process 270 checks if a purchase list was received at step 274.

Detail Description Paragraph:
[0133] If the user has elected to buy an item, the user shopping cart process 290 extracts the item ID, item description, price, SKU, quantity of items to be purchased, the merchant ID supplying the item, advertisements and other information of the like, and adds the item information to the shopping cart list at step 294. The user shopping cart process 290 then returns to step 292 for further browsing. If the user has not elected to buy an item at step 293, the user shopping cart 290 then checks if the user has elected to get a coupon at step 295.

Detail Description Paragraph:
[0146] The intent of basic operation is to allow all the primary functions for viewing advertisements to be done with a single point and click. No menu pull-downs, mouse right-clicks, or drag and drops are required for these functions. The default behavior here is to only download advertisement content from a merchant server 26 on demand. Simply selecting (clicking on) the "Advertisements" icon brings the shopper to the advertisements area, with no filtering. The advertisement items are sorted by the current sort field. If the shopper is here for the first time, the first advertisement item in the list is highlighted. If the shopper was here previously in this session, it remembers where he/she left off. For example, if the shopper left "Nugget" and went to the "Barnes & Noble" site by clicking on one of the URL references in the advertisement, clicking on the "Advertisements" icon would bring him/her back to the same advertisement. Moving through advertisements and to the merchant site can be done in several ways. First, clicking on an underlined advertisement description (URL) highlights the advertisement item and displays the corresponding ad. The advertisement is downloaded from the merchant server 26, if it has not been already.

Detail Description Paragraph:
[0149] Clicking on the up-arrow and down-arrow icons in the toolbar region moves line by line through the advertisement list, selecting advertisement items. As each advertisement item is selected, it is highlighted and the corresponding advertisement is displayed. The advertisement is downloaded if it is not already stored locally. The appropriate arrow is dimmed (made unavailable) when on the first or last advertisement item in the list.

Detail Description Paragraph:
[0154] Because the list of all stores could become very large, there is a find store feature that can be accessed from various pop-up menus and from the toolbar. A name can be typed in directly, or a name previously searched for can be selected from the combo box in which a list of the last 10 searches is kept in the order in which they were attempted. This means that the most recent search is found at the top. The search is case-insensitive. Wildcard characters or any kind of regular expression syntax are supported. All store names and keywords that stores have registered are searched. If there are multiple matches in a given search, store names are displayed first in the results list followed by store names returned as a result of registering a keyword that matched. In this results dialog, store names are alphabetized in these two sets. If no store matches the user's search, then a dialog box is displayed to notify the user.

Detail Description Paragraph:

[0155] Illustrated in FIG. 20 is an example screen display of store information during the browsing process of step 212 of FIG. 13. The illustration of the example store display 350 includes, but is not limited to, the department information 351 listing all of the individual departments within that can be searched for a particular store. The departments (or equivalent term) area 351displays the _first_ level of main categories. Selection of a category drills down to its subcategories, i.e. subcategories 352 and 353 respectively, until the stores level is reached. Categories and stores are not mixed within a level. These subcategories 351, 352 and 353 are searchable categories within the stores listed in the featured store area 357. At the lowest level is the stores list area 357. To show position within the category and stores lists, the selected items (e.g., Food & Drink, Coffee Shops) are shaded. It is contemplated by the inventors that there could be other information that may be displayed for each featured store.

Detail Description Paragraph:
[0156] Navigating through Stores and to the merchant site is done in the following ways. _First,_ by clicking on a category icon pops up a subcategory list. Subcategory lists continue to pop up until the stores level is reached.

Detail Description Paragraph:
[0158] Illustrated in FIG. 21 is a screen display of an example shopping list 360. The shopping list screen display 360 includes a buy indicator area 361. While the example shows that text or checkmark may be entered into the buy are to indicate that an item is to be purchased, it is also contemplated that there may be various other types of methodology such as having a push button indicator or dialog box or the like. Also included in an example of the shopping list 360 is the indicator that the items are a subset of another shopping list. This indicator 362 communicates that the overall item category listed comprises a further shopping list. Also illustrated in the example shopping list 360 is the quantity of items desired. This quantity 363 is indicated for each item. The shopping list 360 also includes a textual description of each item desired. The item description 364 can indicate the item description as well as if the item is further comprised of another shopping list. It is also contemplated by the inventors that an _item_ ID and _price_ can also be included in the shopping list 360.

Detail Description Paragraph:
[0159] Illustrated in FIG. 22 is an example screen display of a purchase list 370 as referenced in FIG. 13. The purchase list display screen 370 includes a means to differentiate the different purchase lists by utilizing the purchase list indicator 371. Also, in the example screen for purchase lists is an indicator 372 for indicating whether or not an item is to be purchased or deleted. The purchase list display also includes a note area 373 in which to note the item to be purchased. The example purchase list display 370 further includes the location of where the _item_ is to be purchased 374 and the _cost of the item_ 375.

Detail Description Paragraph:
[0161] A list will contain the following items. Checkbox 372 indicates whether item has been purchased. This serves as a way to keep a purchase log within this area. Checking this box may trigger a move of this item to the Purchase Log. Note 373 are the shoppers own brief note regarding this item. This field allows flexibility, e.g. for recording items seen at a physical store. Location 374 is a URL where the item was found. It may also be possible to type other non-URL Location info here, in the case of a physical store. The _cost_ 375 area is the _cost of the item_. Additional notes attachment 376 are provided for any additional information the shopper wants to retain. It is possible to drag and drop web pages to this. The notes attachment supports clipboard cut and paste.

Detail Description Paragraph:
[0163] Clicking on the "Ideas" icon in the Shopper bar brings the shopper to the purchase lists 370 area, with no filtering. The _first_ time to this area, the

leftmost list tab will be active (positioned in front). On subsequent visits to this area, the last list used will be active.

Detail Description Paragraph:
[0164] Moving through lists and to the merchant site is done in the following ways. First, by clicking on a tab brings its list forward. As mentioned earlier, if the tab is "New List", the process of creating a new list will automatically be initiated. Secondly, clicking on a list item selects that item. Data can then be entered or the item can be deleted, moved to the purchase log when available, etc. Clicking on a Location URL jumps to that merchant page, replacing the current area with the merchant page. Clicking on the notes icon pops up the notes dialog. If a note does not exist, it is created. Clicking the Find button (or selecting Find through a popup menu), brings up the Find dialog, similar to the Find dialogs found in the other function areas. The lists can be searched by store name and/or text description.

Detail Description Paragraph:
[0165] The search is case-insensitive. Wildcard characters and any kind of regular expression syntax are supported. If there are multiple matches in a given search, the first item found is highlighted (with its list moved forward if necessary). "Find Again" can then be selected via a right click popup to jump to the next matched item. If no items match the user's search, a dialog is displayed indicating this.

CLAIMS:

15. A computer system for publishing and distributing coupons on a network system, comprising: a merchant server that transmits request to create a coupon and transmits coupon data regarding said coupon; and a commerce server that receives said request to create a coupon, receives said coupon data regarding said coupon, saves said coupon data to a coupon database, and provides access to a customer on said network to said coupon.

16. The commerce server of claim 15, further comprising: a first commerce mechanism for linking said coupon to a world wide web page.

17. The commerce server of claim 15, further comprising: a second commerce mechanism providing for an uniform resource locator to link said coupon to a world wide web page.

21. A merchant server on a network system for redeeming coupons during a purchase, said merchant server comprising: a first merchant mechanism for receiving a request for purchasing an item from a consumer; a second merchant mechanism for receiving a request for redeeming a coupon for said purchase of said item from said consumer; a third merchant mechanism for verifying said coupon is a valid coupon; a fourth merchant mechanism for allowing said coupon to be redeemed in said purchase of said item if said coupon is a valid coupon; and a fifth merchant mechanism for updating a coupon database to record that said coupon has been redeemed by said customer.

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L4: Entry 6 of 7   File: USPT   Sep 26, 2000

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TITLE: System and method for conducting commerce over a distributed network

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Brief Summary Text (5):
Electronic shopping systems currently exist which allow users to remotely purchase
goods and services from a variety of different on-line merchants over a distributed
computer network such as the Internet. With systems of this type, the on-line
merchants typically publish on-line catalogs which can be viewed interactively by
the end users of the network using a personal computer. These catalogs include
pictures, textual descriptions, and pricing information with respect to the
products and/or services of the respective merchants, and typically include on-line
forms for allowing users to return purchase orders to the merchants over the
network. In World Wide Web ("Web") based implementations, the on-line catalogs are
in the form of hypertext documents which are hosted by the Web sites of the
respective merchants, and the catalogs are accessed using a standard Web browser
application which runs on the user computer. (A Web site is an Internet-connected
computer or computer system which runs server software for serving information
using the standard protocols of the World Wide Web.) In other implementations, the
on-line catalogs may, for example, be hosted by a centralized computer of an on-
line services network, such as MSN.TM., or by an Internet site which is accessed
using a proprietary client application (such as the client application of eShop
Inc.).

Brief Summary Text (7):
Some computer-based shopping systems currently exist which allow the user to
selectively store product information (and various other types of "shopping-state"
information) for subsequent recall and use. This allows the user to rapidly bring
up the information viewed during previous visits to the merchant site, and to
essentially continue the shopping session where the user left off. Unfortunately,
these systems generally store the product information on the server side only
(e.g., on the merchant Web site), and do not include the necessary client and
server software components for allowing the user to selectively store the product
information on the consumer computer. This deficiency in the software architectures
of existing computer-based shopping systems imposes several limitations on
consumers. First, it makes it difficult for the consumer to gather product
information from multiple merchants into a common, local storage area. This, in
turn, makes comparison shopping very difficult: the consumer generally cannot,
without considerable inconvenience, compare like products (or services) from
different on-line merchants. Second, because the information is typically retained
by the merchant site for a limited period of time (typically a few days), the
consumer is under a time constraint to make use of the stored product information.
Moreover, many hundreds or thousands of requests by consumers to store product
information on a merchant's site may degrade the merchant site's response time, and
create other problems related to the heavy storage burden.

Brief Summary Text (10):

The present invention addresses these and other problems with existing electronic shopping systems. In accordance with the invention, an electronic shopping system is provided which makes use of the existing client and server software components and protocols of the World Wide Web, and which adds various client-side functionality for allowing users to store, view, and process product information (gathered from merchant Web sites), payment information, and shipping information on the user computer. The system includes a specialized client application (referred to as the "commerce client") which runs on the consumer computer in conjunction with a standard Web browser. The commerce client communicates with a specialized commerce server (which runs on the merchant Web site in conjunction with a Web server) using a bi-directional function calling protocol. Hypertext (HTML) catalog pages served by the merchant Web site, as well as "user interface" hypertext documents stored on the user computer, include embedded function calls which can be selectively invoked by the consumer while viewing the hypertext pages with the Web browser. Using these embedded function calls, the user can perform actions such as: request <u>pricing</u> or inventory information on a particular <u>product</u> from the merchant Web site; selectively store <u>product</u> information within a client-side shopping basket; view the contents of the shopping basket; and transmit encrypted shipping and/or payment information (stored on the consumer computer) to the merchant Web site.

Brief Summary Text (11):
In accordance with one aspect of the invention, there is thus provided a method for gathering and comparing product information over a distributed network. The method comprises the steps of (a) sending a <u>first</u> hypertext document over the distributed network to a user computer, the <u>first</u> hypertext document comprising a description of (i) a <u>first</u> product, (ii) a selectable product gathering option, and (iii) function-calling information associated with the product gathering option; (b) displaying the <u>first</u> hypertext document to a user via the user computer and monitoring user input for selection of the product gathering option; and (c) responding to selection of the product gathering option by calling an executable function specified by the function-calling information, the function storing the description of the <u>first</u> product to a data storage area accessible to the user computer. Another embodiment of this aspect preferably comprises the further steps: (d) sending a <u>second</u> hypertext document over the distributed network to the user computer, the <u>second</u> hypertext document comprising (i) a description of a <u>second</u> product, (ii) a selectable product gathering option, and (iii) function-calling information associated with the product gathering option; (e) displaying the <u>second</u> hypertext document to the user via the user computer and monitoring user input for selection of the product gathering option; (f) responding to selection of the product gathering option by calling a <u>second</u> executable function represented in the function-calling information, the function storing the description of the <u>second</u> product to the data storage area; (g) displaying a product comparison option to the user via the user computer and monitoring user input for selection of the product comparison option; and (h) responding to selection of the product comparison option by retrieving from the local storage area the description of the <u>first</u> product and the description of the <u>second</u> product, and by formatting the descriptions and displaying the descriptions to the user via the user computer.

Detailed Description Text (42):
This section provides an illustration of a hypothetical computer-based shopping session wherein features of the present invention are used. FIG. 1 illustrates a consumer computer 102, a <u>first</u> merchant site ("merchant site A") 104, and a <u>second</u> merchant site ("merchant site B") 106, each connected to the Internet and utilizing the World Wide Web ("WWW") 108. Merchant site A 104 and merchant site B 106 host shopping-oriented transactions to advertise and sell products over the Internet. The consumer computer 102 and merchant Web sites 104, 106 run client and server software applications which allow a consumer to browse product information advertised over the WWW, gather information about products and merchants, selectively store the product and merchant information in a client side database,

compare product information from different merchants, and purchase products sold over the Internet.

Detailed Description Text (46):
The consumer also stores shipping address information 142 to the storage area 112 via the consumer computer 102. Shipping address information indicates preferred destinations for delivery of products and includes, for example, a personal residence address, a P.O. Box, or a business address. Again, the commerce client 122 writes shipping address information 142 entered by the consumer to the storage area 112. After the preferred shipping destinations are entered, they need not be entered a second time. As done with the payment source data, the consumer designates one shipping address as the preferred shipping address.

Detailed Description Text (47):
A consumer uses the consumer computer 102 to shop for products such as, for example, an audio compact disc, a downloadable software program, a rare con, or a refrigerator, offered by merchants via the World Wide Web 108. Using the example of shopping for a refrigerator, the consumer uses the consumer computer 102 to establish a connection to the Internet and uses a Web browser to navigate World Wide Web 108 sites. Connecting to the Internet and browsing the WWW is well known and the steps involved will not be further described.

Detailed Description Text (48):
The consumer uses the Web browser 120 to access a merchant site A 104 on the WWW. The Web server 128 of merchant site A 104 responds to the access initiated by the consumer computer 102 by retrieving a first HTML document (i.e., a collection of data encoded in compliance with the Hyper-Text Markup Language) from the set of HTML documents 144, and by then transmitting the first HTML document to the Web browser 120 of the consumer computer 102.

Detailed Description Text (50):
Generally, consumer-selectable options ("hypertext links") are also presented within the HTML document which, if selected by a consumer using the mouse 118 or the keyboard 116, cause the consumer computer 102 to transmit requests to the Web server 128 to retrieve and transmit additional HTML documents providing related or more detailed information. The consumer navigates additional hypertext links and browses additional HTML documents summarizing features of refrigerators sold by merchant site A.

Detailed Description Text (60):
The Web server 128 running on the merchant computer 202 accesses a local store 144 of HTML documents (also commonly referred to as "Web documents" or "Web pages"). When the Web browser 120 on the consumer computer 102 requests an HTML document, the Web server 128 retrieves the HTML document and transmits it to the Web browser 120 on the consumer computer 102 where it is viewed by the consumer. These documents typically include information about the merchant, as well as information about the products sold by the merchant (including pictures and descriptions of products and product prices).

Detailed Description Text (74):
This function call will typically produce a response which must be communicated to the consumer computer 102. (In the context of electronic shopping, the response message may include, for example, price or inventory information for a particular product, or the result of a tax calculation requested by the consumer.) The response may include a function call or other information directed specifically to the commerce client 122. The Web browser 120 receives all data transmitted from the merchant computer 202 to the consumer computer 102. However, some of the data received by the Web browser 120 is further routed to the commerce client 122.

Detailed Description Text (75):

The Web server 128 transmits data to the consumer computer 102 by first packaging the data as a MIME message and then sending the MIME message across the Internet from the Web server 128 to the Web browser 120. If the response message is in the form of an HTML response to be displayed by the Web browser 120, the MIME type of the message will be HTML. If, on the other hand, the response message is directed to the commerce client 122 (such as when the response includes non-HTML product information), the response message will be tagged with a MIME type which corresponds to the commerce client 122, causing the Web browser 120 to forward the message to the commerce client 122.

Detailed Description Text (81):
It will be appreciated by those skilled in the art that specialized client and server processes provide substantial benefits in the context of computer-based shopping. For example, a merchant can conveniently store relatively static catalog information as HTML documents, while storing relatively dynamic product information (such as price and inventory) in a separate database (not shown in FIG. 2) which is accessed by the commerce server 130. This product information may advantageously be stored and served in a format which is recognized only by the specialized commerce client 122 (as opposed to the standard Web browser 120). Because the commerce client 122 runs in conjunction with the Web browser 120, the commerce client 122 can readily store both consumer-selected HTML (catalog) data from Web pages of merchants, and the associated non-HTML product information retrieved via client-to-server function calls.

Detailed Description Text (89):
The commerce server 130 performs two primary tasks. First, when a request is received for product information (via function-calling information embedded within an HTTP POST message received by the Web server 128), the commerce server retrieves various data items in connection with a product, such as SKU (stock keeping unit) number, product name, product description, logo, price, expiration date, tax, and shipping charges. This data is packaged as a MIME file of type "x-ishopper" and sent back to the consumer computer 102 via the Web browser 120, as described above. Second, the commerce server 130 captures and processes orders for products submitted by consumers.

Detailed Description Text (107):
FIG. 6 illustrates the steps performed when a consumer selects the ADD ITEM option. In a first step 602 the Web browser 120 issues an HTTP POST message to the Web server 128 indicating that a consumer has selected an ADD ITEM option. In a next step 604, the Web server 128 retrieves product information from the merchant web site and sends the information to the Web browser 120 as a MIME message of type "x-ishopper." Next, in a step 606, the Web browser 120, after establishing receipt of a MIME message of type x-ishopper, launches the commerce client 122 (if it is not already running). The commerce client, in a step 608, constructs an in-memory representation of merchant, product, payment, and address data read from a hard disk. Then, in a step 610, the Web browser 120 passes the MIME message to the commerce client 122.

Detailed Description Text (108):
The commerce client 122 uses function-calling information embedded in the passed MIME message to call a method AddLineItem. In the step 612, the AddLineItem method navigates memory structures (constructed in step 608) looking for a merchant data structure with a name field matching the merchant name passed with the MIME message. If no such merchant structure is found in the step 612, then a new merchant structure is appended to the linked list of merchants by allocating memory and the new merchant structure is populated with merchant data from the passed MIME message. The AddLineItem method then, in a next step 614, navigates a linked list of product data structures associated with the merchant structure (either found or created in the step 612). Each product data structure in the list represents one product offered for sale by a merchant. In the step 616, the AddLineItem method

allocates memory for a new product data structure and populates it with data packaged in the MIME message such as product SKU, price, quantity, description, name, logo, color, or size. The AddLineItem method then links the new product data structure to the end of the linked product data structures for the merchant.

Detailed Description Text (110):
In a step 624, the commerce client 122 then executes the steps comprising the VIEW SHOPPING BASKET option described below. Thus, when the steps comprising the ADD ITEM option are completed, a new product data structure is stored in memory comprising data fields such as SKU, price, quantity, picture, description, reference URL, and merchant information. Also, any special properties associated with the product such as size, color, or finish, are also stored with the new product data structure. As explained below, default payment source information and default shipping address information are also associated with a new product data structure.

Detailed Description Text (112):
FIG. 7 illustrates the steps in carrying out the VIEW SHOPPING BASKET option. In a first step 702, the consumer selects the VIEW SHOPPING BASKET option from within the Web browser. In a next step 704, the Web browser 120 issues a local function call. Then, in a step 706, the commerce client 122 is launched (if not already executing) by a local port monitor detecting the local function call. Next, in a step 708, the commerce client 122 loads the shopping basket COM object. In a next step 710, a variable CheckFlag is set equal to 0. Then, in a step 712, a loop is entered and is executed once for each merchant data structure.

Detailed Description Text (113):
In a step 714, the commerce client 122 invokes a GetFirstItem method. In the step 714, the GetFirstItem method navigates to a given merchant. In this first iteration of the loop, the given merchant will simply be the first merchant in the merchant data structure list. In the step 716, the linked list of product data structures referenced from the first merchant data structure is navigated to the first product data structure. If, in the step 718, it is determined that there are no product data structures for this merchant or the navigation of the product data structure list has reached the end of the list, then, in a step 720, the GetFirstItem method returns a value of 0. If in the step 718 it is determined that another product data structure exists and that the end of the product data structure list has not yet been reached, then the flag field of the product data structure is compared against the CheckFlag variable. Because CheckFlag is equal to 0, the product flag is being compared against the value 0 which would indicate that the product has not yet been purchased. If in the step 722, it is determined that the product flag is not equal to the CheckFlag then processing reverts back to the step 716 to check the next product data structure in the list. If, however, in the step 722, the product flag is equal to the CheckFlag, indicating that the product has not yet been purchased, then in a step 724, a pointer is returned pointing to the product data structure of the product that has not been purchased and the name of the product that has not been purchased is added to a list box structure. Next, in a step 726 the pointer to the product data structure is saved and iterations of the loop are terminated.

Detailed Description Text (119):
Web documents 310 of the system may also host a DELETE ITEM option to remove an item from the electronic shopping basket. FIG. 8 illustrates the steps performed to carry out the DELETE ITEM option. In a first step 802, the consumer selects the VIEW SHOPPING BASKET option and is presented with a list of products which have been gathered but which have not been purchased. The DELETE ITEM option is then presented.

Detailed Description Text (121):
A next step 812 then uses a pointer to the product data structure of the selected product to locate the preceding product data structure in a linked list. Locating a

preceding structure in linked list is preferably done by implementing the list as a double linked list (one whose structures point both to the next structure as well as the preceding structure). It is possible that there is no preceding product data structure, that is, that the product data structure for the selected product is the <u>first</u> in the list of such product data structures that is referenced by a merchant data structure. In any case, a pointer to the product data structure will be located, it will simply belong to a merchant data structure rather than to a preceding product data structure.

<u>Detailed Description Text</u> (125):
FIG. 9 illustrates the steps performed in relation to the SEE ITEM DETAILS option. <u>First,</u> in a step 902, the consumer selects the VIEW SHOPPING BASKET button and is presented with a list of products. In a next step, 904, the consumer, selects a product name from the list. Then, in a step 906, the consumer selects the SEE ITEM DETAILS button.

<u>Detailed Description Text</u> (127):
In a step 914, the commerce client 122 uses a pointer to the product data structure of the selected product (this pointer is maintained following the selection of the product in connection with the VIEW SHOPPING BASKET option) to conveniently locate the product data structure of the product selected. Next, in a step 916, a drop-down box is created having the Friendly Name of a payment source (i.e., the value associated with the PaymentFriendlyName field of the product data structure) as the only entry. Similarly, in a step 918, a <u>second</u> drop-down box is created having the Friendly Name of a shipping address (i.e., the value associated with the AddressFriendlyName field of the product data structure) as the only entry.

<u>Detailed Description Text</u> (128):
A method GetFirstProperty 922 is then invoked and, in a step 920, the GetFirstProperty method, examining the contents of a property list pointer associated with the product data structure of the selected product, locates the <u>first</u> property data structure in a linked list of property data structures referenced by the product data structure.

<u>Detailed Description Text</u> (130):
In a step 930, a GetPaymentFirstFriendlyName method 932 is invoked to examine the root pointer to the linked payment source structures and to return the value of the Friendly Name of the <u>first</u> payment source structure. A Friendly Name, as discussed below, is simply a name like "Bob's Visa Card" which is conveniently used to designate a payment source. In the step 934, the GetPaymentNextFriendlyName method 936 is used to navigate the linked list of payment source structures, placing the Friendly Name of each in the drop-down box already created in the step 916.

<u>Detailed Description Text</u> (131):
In a next step 938, a GetAddressFirstFriendlyName method 940 is invoked to examine the root pointer to the linked shipping address structures and to return the value of the Friendly Name of the <u>first</u> shipping address structure. A Friendly Name, as used with respect to an address, is a name like "the office" or "Debbie's house" which is conveniently used to designate a shipping address. In the step 942, the GetAddressNextFriendlyName method 944 is used to navigate the linked list of shipping address structures, placing the Friendly Name of each in the drop-down box already created in the step 918.

<u>Detailed Description Text</u> (135):
FIG. 10 illustrates the steps performed in connection with viewing and manipulating payment source data. In a <u>first</u> step 1002, the consumer selects the VIEW WALLET option. Next, in a step 1004, the commerce client 122, having received the function-calling information from the port listener, loads the wallet object. In a step 1006, the GetPaymentFirstFriendlyName method 1008 is invoked to examine a maintained root pointer (a pointer to the <u>first</u> in a linked list of payment source

data structures) to determine the value of the Friendly Name associated with the first payment source data structure. This first Friendly Name is used as the first entry in a list box. Next, in a step 1010, the GetPaymentNextFriendlyName method 1012 is invoked to traverse the linked list of payment source data structures and place the Friendly Name associated with each as an entry in the list box.

Detailed Description Text (142):
Very similar to the manner in which the present invention facilitates viewing and manipulating payment source data in the electronic wallet is the manner in which it permits consumers to view and manipulate shipping address data in the electronic address book. FIG. 11 illustrates the steps in viewing or manipulating address book data. In a first step 1102, the consumer selects a VIEW ADDRESS BOOK option. In a next step 1104, the commerce client 122 loads the address book object.

Detailed Description Text (143):
In a step 1106, the GetAddressFirstFriendlyName method 1108 uses a maintained root pointer (always points to the first of a linked list of shipping address data structures) to examine the first shipping address data structure and to return the associated Friendly Name. A Friendly Name for a shipping address might be, for example, "My Castle," or "Jill's Office." The Friendly Name associated with the first shipping address data structure is used as the first entry in a browsable list box.

Detailed Description Text (150):
FIG. 12 illustrates the steps of purchasing a product. In a first step 1202, the consumer selects the READY TO BUY option. Next, in a step 1204, the shopping basket object is loaded. Then, in a step 1206, the GetFirstItem method 1208 is used to examine a maintained root pointer to the first merchant data structure and to then traverse and examine the linked list of product data structures associated with the first merchant and return the first located unpurchased product. The Flag of each product data structure is examined to determine if the product is already purchased. If no unpurchased products are discovered in association with the first merchant data structure, the GetFirstItem moves to the next merchant structure in the linked list of merchants. The GetFirstItem method returns information (such as a pointer) identifying the first product structure associated with an unpurchased product encountered in its traversal of the merchant and product structures.

Detailed Description Text (152):
With the unpurchased product items in the electronic shopping basket sorted by merchant (e.g. "L.L. Bean" or "Sears"), a step 1220 divides the product items into groups, one group per merchant. A first product group associated with a first merchant is designated for processing. A step 1222 then divides (or sorts) the first group into further subgroups according to the value of the PaymentFriendlyName (e.g., "Gold Card" or "Mary's Amex"). Thus, different orders can be submitted to one merchant, but paid for using different payment sources.

Detailed Description Paragraph Table (4):
TABLE 2 _____ Product Data Field Description
_____ Logo Picture associated with product. Type: VOID* LogoSize Size of Picture associated with product. Type: DWORD Name Name of product. Type: Cstring Description Description of product. Type: Cstring Price Unit Price of product. Type: Currency Quantity Quantity of product to order. Type: Float ExpirationDate Date on which offered price expires. Type: Cstring Tax Amount of tax computed for sale of product. Type: Currency ShippingCharge Cost to ship product as ordered. Type: Currency OtherCharges Miscellaneous additional charges associated with order. Type: Currency SKU Stock Keeping Unit, merchant's identifier for product Type: Cstring ShipMethod Delivery services to be used in shipping product. Type: Cstring OrderURL URL string identifying Web site to send order for product Type: Cstring ReferenceURL URL string identifying Web site for information about the product Type: Cstring PaymentFriendlyName Reference to entry in Payment

Database identifying source of payment if product is ordered (e.g., Visa, Checking Acct., etc.) Type: CString AddressFriendlyName Entry in Shipping Address DB identifying where to ship product Type: CString Flags 0 if product has not been purchased; 1 if product has been purchased Type: DWORD

_____

Detailed Description Paragraph Table (8):
TABLE 6 _____ Address Data Field Description
_____ FriendlyName Easily remembered and recognized name for addresses Type: Cstring Name Name of person to receive parcels at address Type: Cstring Address1 First text line of shipping address. Type: Cstring Address2 Second text line of shipping address Type: Cstring Address3 Third text line of shipping address Type: Cstring City Name of city of shipping address Type: Cstring State Name of state of shipping address Type: Cstring Zip Zip code of shipping address Type: Cstring Country Name of country of shipping address Type: Cstring Phone1 First phone number associated with shipping address Type: Cstring Phone2 Second phone number associated with

CLAIMS:

2. The client architecture according to claim 1, wherein the commerce client application includes a second callable function, and wherein each Web document includes embedded function-calling information that corresponds to the second callable function of the commerce client application, the execution of the second callable function selectively initiated by the user while viewing one of the Web documents with the Web browser, the client architecture further comprising, on the computer-readable medium:

an electronic wallet function configured to access and manipulate payment source information stored on the computer storage medium, the access and manipulation of the payment source information initiated by executing the second callable function of the commerce client application.

3. The client architecture according to claim 1, wherein the commerce client application includes a second callable function, and wherein each Web document includes embedded function-calling information that corresponds to the second callable function of the commerce client application, the execution of the second callable function selectively initiated by the user while viewing one of the Web documents with the Web browser, the client architecture further comprising, on the computer-readable medium:

an electronic address book function configured to access and manipulate shipping address information stored on the computer storage medium, the access and manipulation of the shipping address information initiated by executing the second callable function of the commerce client application.

6. A client architecture for purchasing products over the Internet, comprising, on a computer-readable medium:

a commerce client application configured to run on a computer and having a user interface, the commerce client application configured to transmit information to a World Wide Web site in accordance with World Wide Web protocols, the commerce client application configured to run in conjunction with a Web browser, the commerce client application including a product purchase function which combines product information, merchant information, and payment source information and transmits the combined information to a World Wide Web site, the product purchase function comprising executable computer instructions stored on the computer-readable medium;

a Web browser configured to run on the computer; and

at least two Web documents, each of which includes embedded function-calling information that corresponds to the product purchase function of the commerce client application, the function-calling information embedded within the Web document such that a user can selectively initiate the execution of the product purchase function via the user interface while viewing one of the Web documents with the Web browser; and

wherein the user interface is displayed for each of the Web documents and functions independently of the Web documents.

8. The client architecture according to claim 6, further comprising, on the computer-readable medium;

an electronic wallet object configured to access and manipulate payment source information and merchant information stored on a computer storage medium, the electronic wallet object transmitting payment source information and merchant information to the commerce client application during execution of the product purchase function of the commerce client

application, the electronic wallet object comprising executable computer instructions stored on the compute-readable medium.

9. A method for gathering product information over a distributed network, comprising:

(a) receiving a first hypertext document over the distributed network at a user computer, the first hypertext document comprising (I) a description of a first product, (ii) a user-selectable product gathering option, and (iii) function-calling information associated with the product gathering option;

(b) displaying the first hypertext document to a user via a user interface on the user computer and monitoring user input for selection of the product gathering option;

(c) responding to user selection of the product gathering option by passing at least a portion of the function-calling information from a Web browser to a local process running on the user computer, the local process calling an executable function specified by the function-calling information, the function storing the description of the first product to a local data storage area of the user computer;

(d) receiving a second hypertext document from a second site over the distributed network at the user computer, the second hypertext document comprising (i) a description of a second product, (ii) a second selectable product gathering option, and (iii) function-calling information associated with the second product gathering option;

(e) displaying the second hypertext document to the user via the user interface of the user computer and monitoring user input for selection of the second product gathering option; and

(f) responding to user selection of the second product gathering option by calling a second executable function, the second function storing the description of the second product to the local data storage area.

11. The method according to claim 9, further comprising the steps of:

(g) displaying a product comparison option to the user via the user computer and monitoring user input for selection of the product comparison option; and

(h) responding to user selection of the product comparison option by retrieving from the local storage the description of the _first_ product and the description of the _second_ product, and by formatting the descriptions and displaying the descriptions to the user via the user computer.

12. A method for using a Web browser to manage local data, the Web browser running on a user computer, the local data stored on a computer storage medium accessible by the user computer, the method comprising the steps of:

(a) receiving with the Web browser a _first_ HTML document and a _second_ HTML document, each HTML document comprising a user-selectable view option and function-calling information associated with the view option;

(b) displaying the _first_ HTML document and the user-selectable view option to a user via a user interface on the user computer;

(c) monitoring user input for selection of the view option;

(d) responding to selection of the view option by calling a view function specified in the function-calling information, the view function comprising executable computer instructions accessible by the computer, the view function accessing and formatting the local data and displaying the local data to the user;

(e) displaying the _second_ HTML document and the user-selectable view option to the user via the user interface;

(f) monitoring user input for selection of the view option; and

(g) responding to selection of the view option by calling a view function specified in the function-calling information, the view function comprising executable computer instructions accessible by the computer, the view function accessing and formatting the local data and displaying the local data to the user.

14. A method according to claim 12 wherein the calling of the view function of step (d) is performed by sending a message which includes at least a portion of the function-calling information from the Web browser to a local Internet address representing the user computer, a _first_ local process monitoring the local Internet address and receiving the message, the _first_ local process invoking a _second_ local process if it is not already running, the _first_ local process passing at least the function-calling information to the _second_ local process, the _second_ local process using the function-calling information to call the view function.

20. A method, comprising the following steps:

accessing a _first_ merchant site from a user computer via a user interface on the user computer;

gathering _first_ product information from the _first_ merchant site;

storing the _first_ product information locally on the user computer;

accessing a _second_ merchant site from the user computer via the user interface;

gathering _second_ product information from the _second_ merchant site;

storing the _second_ product information locally on the user computer; and

concurrently analyzing the _first_ product information and the _second_ product information at the user computer.

21. A method as recited in claim 20, wherein the concurrently analyzing step comprises the step of analyzing the _first_ product information and the _second_ product information offline at the user computer.

22. A method as recited in claim 20, further comprising the step of displaying the _first_ product information and the _second_ product information concurrently to a user.

23. A method as recited in claim 20, further comprising the step of storing _first_ and _second_ ordering information for ordering products from the _first_ merchant site and from the _second_ merchant site.

24. A method as recited in claim 23, further comprising the step of selectively transmitting the _first_ ordering information to the _first_ merchant site and selectively transmitting the _second_ ordering information to the _second_ merchant site.

25. A method as recited in claim 24, further comprising the step of selectively tracking status of the _first_ ordering information and selectively tracking status of the _second_ ordering information.